

Proposed Amendments to Independent Claims
for

**METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS FOR
PERFORMING DOCUMENT-INCLUSION OPERATIONS OVER A NETWORK**

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DISCUSSION DRAFT ONLY – NOT FOR ENTRY

1. (Currently Amended) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly over a wireless network, the server configured to perform operations on documents on behalf of the user of the client a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts:

an act of the client sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction including an identification of the document that does not depend on whether the document is actually identifiable at the server or not, but the document-inclusion instruction not including the document itself;

an act of the client if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the client therefore taking no further action,

but if the identified document is not already stored at the server, then receiving from the server an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server and the

client thereafter determining whether to send the document to the server so that the server can complete the document-inclusion instruction; and

an act of the client sending the document to the server so that the server may complete a document-inclusion operation corresponding to the document-inclusion instruction.

11. (Currently Amended) ~~A computer program product for use in a network environment that includes a client that is network connectable to a server over a wireless network, the server configured to perform operations on documents on behalf of the user of the client, the computer program product for implementing a method for the client causing an operation to be performed on the document while potentially conserving the bandwidth of the wireless network, the computer program product comprising one or more computer readable media have stored thereon the following: In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a computer program product for implementing a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the computer program product comprising a computer-readable media carrying computer-executable instructions for the method, and wherein the method is comprised of the following acts:~~

sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction including an identification of the document that does not depend on whether the document is actually identifiable at the server or not, the document-inclusion instruction not including the document itself;

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the client therefore taking no further action,

but if the identified document is not already stored at the server, then receiving from the server an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server and the client thereafter determining whether to send the document to the server so that the server can complete the document-inclusion instruction.

computer executable instructions for causing a document inclusion instruction to be sent to the server, the document inclusion instruction including an identification of the document, but not including the document itself;

computer executable instructions for detecting the receipt of an indication that the document identified in the document inclusion instruction is unavailable to the server; and

computer executable instructions for causing the document to be sent to the server so that the server may complete a document inclusion operation corresponding to the document inclusion instruction.

21. (Currently Amended) In a network environment that includes a client that is "network connectable" to a server over a wireless network, the server configured to perform operations on documents on behalf of the user of the client, a method for the client causing an operation to be performed on the document while potentially conserving the bandwidth of the wireless network, the method comprising the following: In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly over a wireless network, the server configured to perform operations on documents on behalf of the user of the client a method for reducing those instances when

the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts and steps:

as an act, sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction including an identification of the document that does not depend on whether the document is actually identifiable at the server or not, the document-inclusion instruction not including the document itself; and

an act of the client sending a document-inclusion instruction to the server, the document-inclusion instruction including an identification of the document, but not including the document itself; and

a step for ensuring that a document-inclusion operation corresponding to the document-inclusion instruction is performed by the client if and only if the client is advised by the server that the identified document is not already stored at the server so as to conserve the network bandwidth of the wireless network.

23. (Currently Amended) In a network environment that includes a client that is network connectable to a server over a wireless network, the server configured to perform operations on documents on behalf of the user of the client, a method for the server allowing the client to cause an operation to be performed on behalf of the user of the client while potentially conserving the bandwidth of the wireless network, the method comprising the following: In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested

document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the method comprising the following acts:

receiving at the server a document-inclusion instruction sent by the client over the wireless network, the document-inclusion instruction including an identification of the document that does not depend on whether the document is actually identifiable at the server or not, the document-inclusion instruction not including the document itself;

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the server therefore taking the requested action with no further instruction from the client.

but if the identified document is not already stored at the server, then returning to the client an indication that the document identified in the document-inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server.

and the server thereafter completing the document-inclusion instruction only if the unavailable document is sent to the server by the client.

an act of the server receiving a document-inclusion instruction, the document-inclusion instruction including an identification of a document, but not including the document itself;

an act of the server determining that the server does not have access to the document other than from the client over the wireless network;

an act of the server causing the document to be sent to the server from the client over the wireless network; and

an act of the server executing the document-inclusion instruction using the accessed document.

30. (Currently Amended) A computer program product for use in a network environment that includes a client that is network connectable to a server over a wireless network, the server configured to perform operations on documents on behalf of the user of the client, the computer program product for implementing a method for the server allowing the client to cause an operation to be performed on behalf of the user of the client while potentially conserving the bandwidth of the wireless network, the computer program product comprising one or more computer readable media having stored thereon the following: In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a computer program product for implementing a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the computer program product comprising a computer-readable media carrying computer-executable instructions for the method, and wherein the method is comprised of the following acts:

receiving at the server a document-inclusion instruction sent by the client over the wireless network, the document-inclusion instruction including an identification of the document that does not depend on whether the document is actually identifiable at the server or not, the document-inclusion instruction not including the document itself:

if the identified document is already stored at the server, the client's document-inclusion instruction being sufficient to permit the server to carry out the instruction and the server therefore taking the requested action with no further instruction from the client

but if the identified document is not already stored at the server, then returning to the client an indication that the document identified in the document-

inclusion instruction is unavailable to the server so that the client may then determine whether to send the identified document to the server,

and the server thereafter completing the document-inclusion instruction only if the unavailable document is sent to the server by the client.

~~computer executable instructions for detecting the receipt of a document-inclusion instruction, the document inclusion instruction including an identification of a document, but not including the document itself;~~

~~computer executable instructions for determining that the server does not have access to the document other than from the client over the wireless network;~~

~~computer executable instructions for causing the document to be sent to the server from the client over the wireless network; and~~

~~computer executable instructions for executing the document inclusion instruction using the accessed document.~~

32 – 34 (Canceled)

35. (New) In a network environment that includes a client that is network connectable over a wireless network to a server so that the client may transmit document-inclusion operations that are intended to be carried out by the server, but wherein the wireless network may have limited throughput such that data transfer for document-inclusion operations may be unduly slow or costly, a computer program product for implementing a method for reducing those instances when the document-inclusion operation transmitted to the server actually requires transmission of the document that is required by the server to complete the requested document-inclusion operation, thereby reducing instances of unduly slow or costly data transmission when performing such document-inclusion operations over the wireless network, the computer program product comprising a computer-readable media carrying computer-executable instructions for the method, and wherein the method is comprised of the following acts and steps:

as an act, sending from the client over the wireless network a document-inclusion instruction to the server, the document-inclusion instruction including

an identification of the document that does not depend on whether the document is actually identifiable at the server or not, the document-inclusion instruction not including the document itself; and

a step for ensuring that a document-inclusion operation corresponding to the document-inclusion instruction is performed by the client if and only if the client is advised by the server that the identified document is not already stored at the server so as to conserve the network bandwidth of the wireless network.